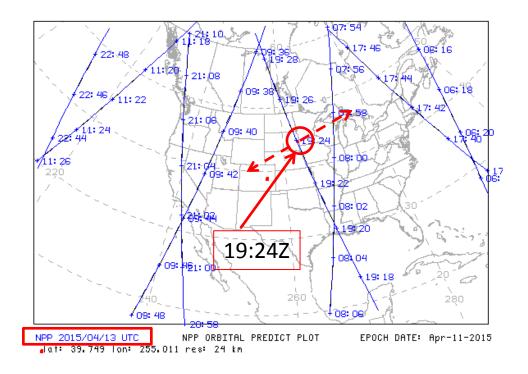
# RAQMS 20150411 SONGNEX 78hr FX for 18Z April 13, 2015

S-NPP (CrIS) overpass on 2015/04/13 NUCAPS CO2, O3, CO, CH4 Validation Opportunity –*near western edge of swath* 

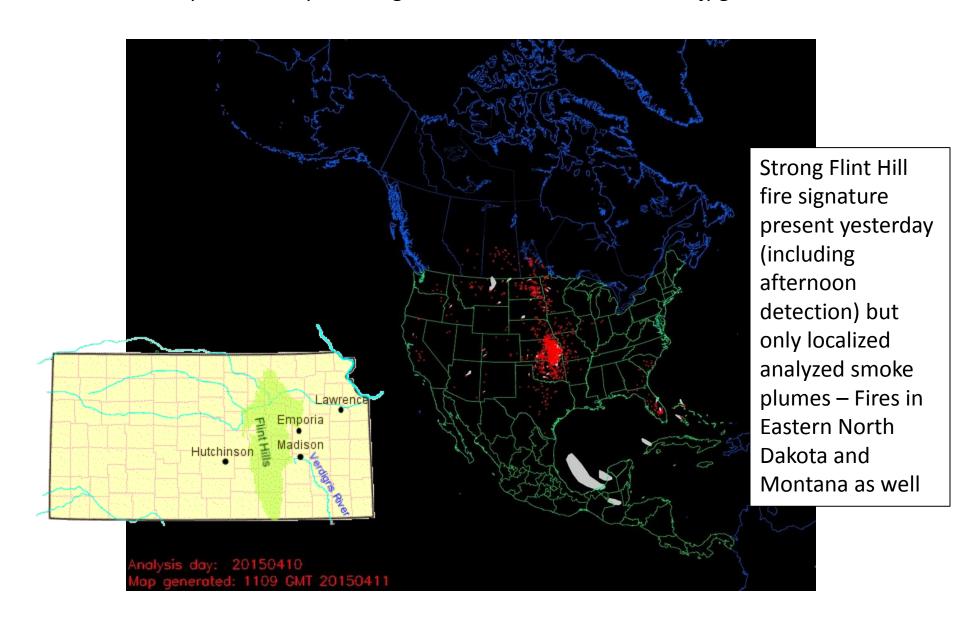
S-NPP overpass over Denver at 19:24Z (1:24pm Mountain)



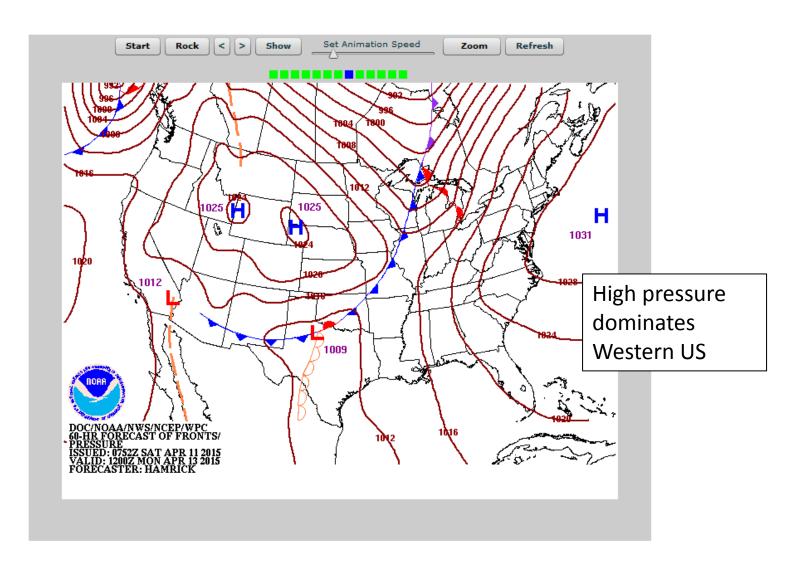
#### **Approximate swath width**

### **NESDIS Hazard Mapping System (HMS)**

http://www.ospo.noaa.gov/data/land/fire/currenthms.jpg



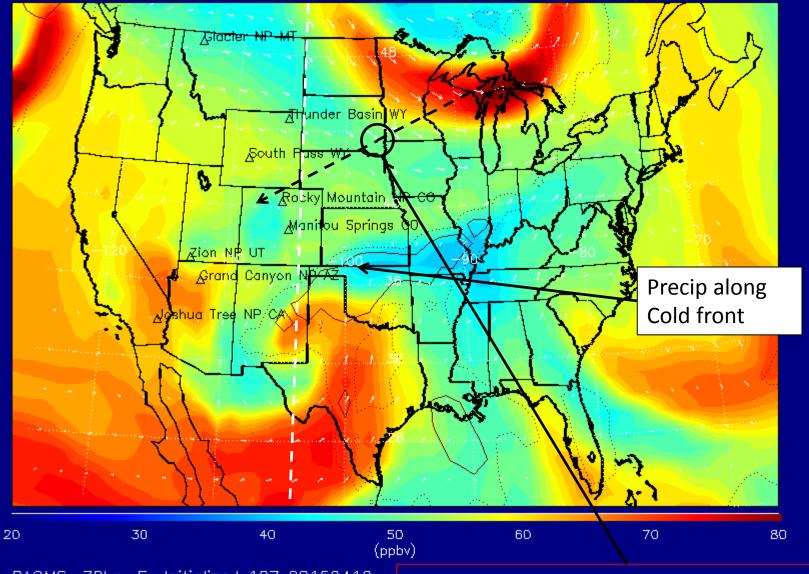
#### 60hr NCEP/WPC forecast valid 12Z 04/13/2015



http://www.hpc.ncep.noaa.gov/basicwx/day0-7loop.html

05km O<sub>3</sub> 18Z 20150413

(MSL Pressure Contoured (white)/95-75% Convective Precip (Red) 95% CPCP=0.177979 mm/hr

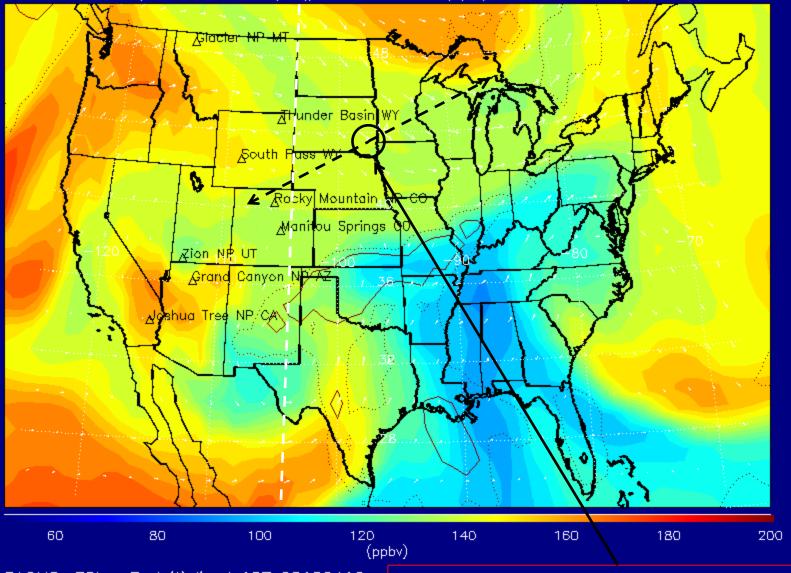


RAQMS<sub>e</sub> 78hr Fx Initialized 12Z 20150410

Denver on western edge of S-NPP swath

05km CO 18Z 20150413

(MSL Pressure Contoured (white)/95-75% Convective Precip (Red) 95% CPCP=0.177979 mm/hr,

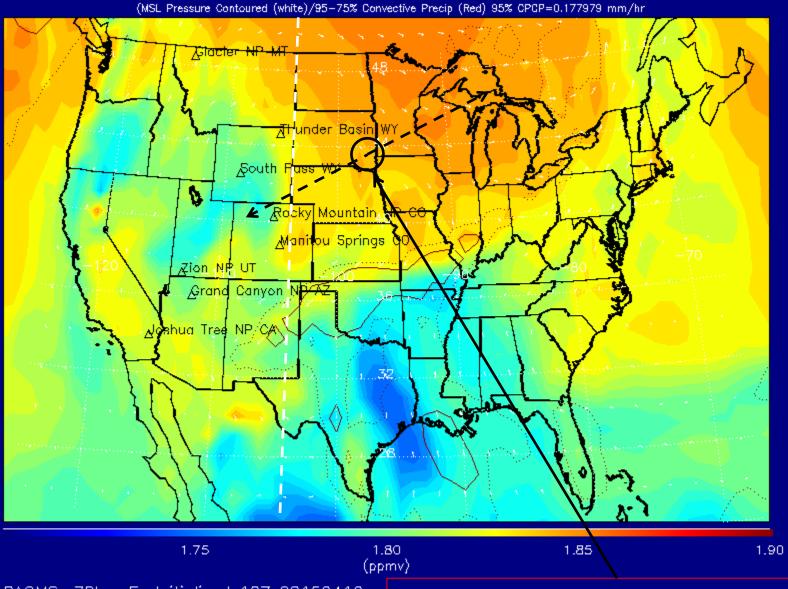


RAQMS<sub>g</sub> 78hr Fx Initialized 12Z 20150410

Denver on western edge of S-NPP swath

01km AGL CH4 1

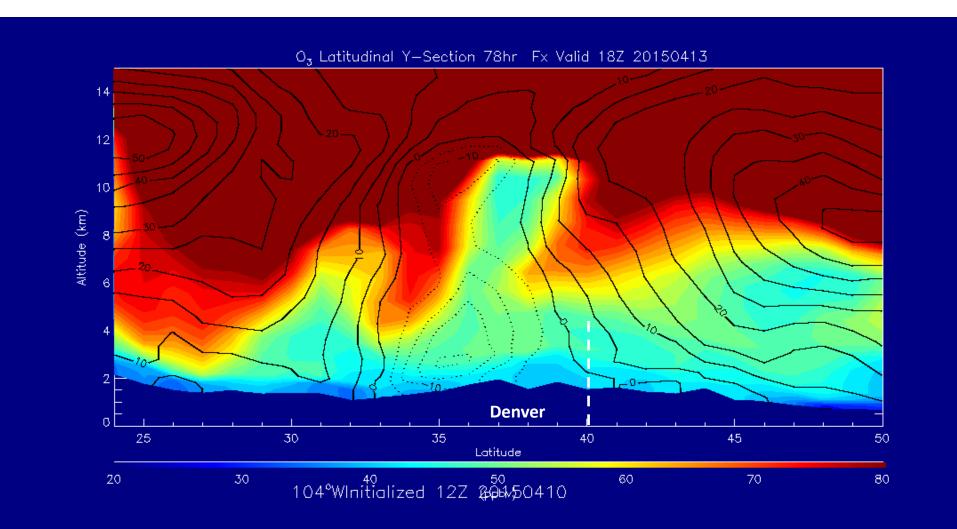
18Z 20150413



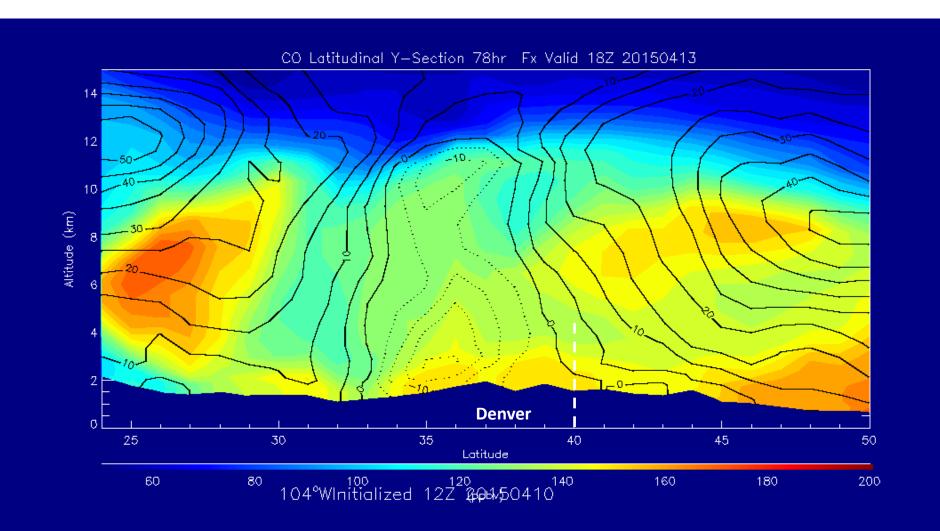
RAQMS<sub>e</sub> 78hr Fx Initialized 12Z 20150410

Denver on western edge of S-NPP swath

## RAQMS 78hr FX O3 Cross-section at 104W (Denver, CO)



### RAQMS 78hr FX CO Cross-section at 104W (Denver, CO)



### RAQMS 78hr FX CH4 Cross-section at 104W (Denver, CO)

